

Polyester MERV 1 - 4 Disposable Air Filter



Pinch Frame Design



Notched Frame Design

Our long standing excellence in providing durable, top performing disposable filters is applied to the manufacturing of poly fiber **P312** filters. Ideally suited for residential, commercial, or light industrial use, the polyester media was developed for situations where synthetic media products are required.

Frame – The **P312** frame is produced using post consumer materials. The unique Monobond pinch frame concept involves a one piece frame sealed to the media under heat and pressure. This construction feature produces a continuous bond of media to board around the periphery of the frame, eliminating weak corners and air bypass. The use of a high tensile strength binder increases the integrity of the seal, allowing the filter to withstand varying temperatures and humidity levels. When compared to traditional designs, the filter's notched frame corners allow units to interlock, providing up to 33% savings on warehouse space and freight costs.

Media – The synthetic media used in a **P312** consists of polyester filters bonded together in an interlocking pattern of tiny lint and dust traps. This configuration maximizes dust loading while minimizing resistance and surface loading.

Application – **P312** filters perform best in conditions where large quantities of lint and dust are present. Their rugged construction makes them industry leaders in the high velocity system, pre-filter market.

- **Space saving notched frame**
- **Reduce warehouse space and shipping costs with innovative Monobond pinch frame notched design**
- **Improved aerodynamics reduce restriction to air flow**
- **Safe, easy, fast installation**
- **Larger effective filtering surface area**
- **Wide selection of standard sizes**
- **Classified Class 2 by Underwriters Laboratories, Inc.**

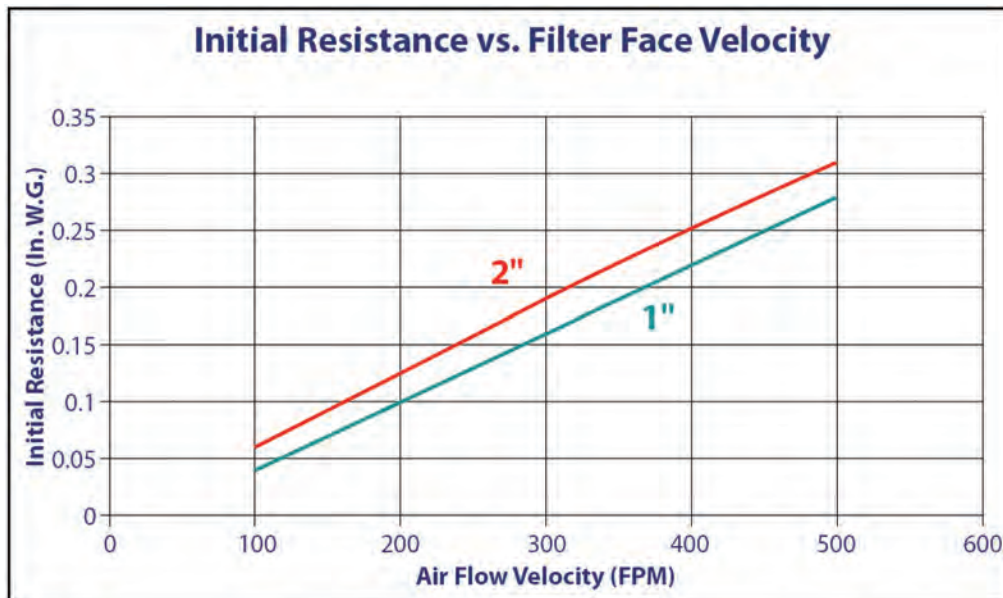
Polyester MERV 1 - 4 Disposable Air Filter

Part Number	Description	Standard Sizes 1"	Standard Sizes 2"	Case Qty	Weight
P312-STD-10101	10 x 10 x 1 STD Syn Disp Pnl M1-4	10 x 10 x 1	-	12	1.8
P312-STD-10201	10 x 20 x 1 STD Syn Disp Pnl M1-4	10 x 20 x 1	-	12	3.0
P312-STD-10241	10 x 24 x 1 STD Syn Disp Pnl M1-4	10 x 24 x 1	-	12	3.5
P312-STD-12121	12 x 12 x 1 STD Syn Disp Pnl M1-4	12 x 12 x 1	-	12	2.4
P312-STD-12201	12 x 20 x 1 STD Syn Disp Pnl M1-4	12 x 20 x 1	-	12	3.3
P312-STD-12241	12 x 24 x 1 STD Syn Disp Pnl M1-4	12 x 24 x 1	-	12	3.9
P312-STD-12251	12 x 25 x 1 STD Syn Disp Pnl M1-4	12 x 25 x 1	-	12	4.0
P312-STD-12301	12 x 30 x 1 STD Syn Disp Pnl M1-4	12 x 30 x 1	-	12	4.6
P312-STD-14141	14 x 14 x 1 STD Syn Disp Pnl M1-4	14 x 14 x 1	-	12	2.3
P312-STD-14201	14 x 20 x 1 STD Syn Disp Pnl M1-4	14 x 20 x 1	-	12	3.8
P312-STD-14241	14 x 24 x 1 STD Syn Disp Pnl M1-4	14 x 24 x 1	-	12	4.3
P312-STD-14251	14 x 25 x 1 STD Syn Disp Pnl M1-4	14 x 25 x 1	-	12	4.4
P312-STD-14301	14 x 30 x 1 STD Syn Disp Pnl M1-4	14 x 30 x 1	-	12	4.9
P312-STD-15201	15 x 20 x 1 STD Syn Disp Pnl M1-4	15 x 20 x 1	-	12	4.0
P312-STD-16161	16 x 16 x 1 STD Syn Disp Pnl M1-4	16 x 16 x 1	-	12	3.7
P312-STD-16201	16 x 20 x 1 STD Syn Disp Pnl M1-4	16 x 20 x 1	-	12	4.1
P312-STD-16241	16 x 24 x 1 STD Syn Disp Pnl M1-4	16 x 24 x 1	-	12	4.8
P312-STD-16251	16 x 25 x 1 STD Syn Disp Pnl M1-4	16 x 25 x 1	-	12	4.9
P312-STD-18181	18 x 18 x 1 STD Syn Disp Pnl M1-4	18 x 18 x 1	-	12	4.3
P312-STD-18201	18 x 20 x 1 STD Syn Disp Pnl M1-4	18 x 20 x 1	-	12	4.6
P312-STD-18241	18 x 24 x 1 STD Syn Disp Pnl M1-4	18 x 24 x 1	-	12	5.3
P312-STD-18251	18 x 25 x 1 STD Syn Disp Pnl M1-4	18 x 25 x 1	-	12	5.4
P312-STD-20201	20 x 20 x 1 STD Syn Disp Pnl M1-4	20 x 20 x 1	-	12	5.1
P312-STD-20241	20 x 24 x 1 STD Syn Disp Pnl M1-4	20 x 24 x 1	-	12	5.7
P312-STD-20251	20 x 25 x 1 STD Syn Disp Pnl M1-4	20 x 25 x 1	-	12	5.9
P312-STD-20301	20 x 30 x 1 STD Syn Disp Pnl M1-4	20 x 30 x 1	-	12	8.7
P312-STD-24241	24 x 24 x 1 STD Syn Disp Pnl M1-4	24 x 24 x 1	-	12	6.1
P312-STD-24301	24 x 30 x 1 STD Syn Disp Pnl M1-4	24 x 30 x 1	-	12	10.3
P312-STD-25251	25 x 25 x 1 STD Syn Disp Pnl M1-4	25 x 25 x 1	-	12	6.8
P312-STD-10202	10 x 20 x 2 STD Syn Disp Pnl M1-4	-	10 x 20 x 2	12	5.0
P312-STD-12242	12 x 24 x 2 STD Syn Disp Pnl M1-4	-	12 x 24 x 2	12	8.0
P312-STD-14202	14 x 20 x 2 STD Syn Disp Pnl M1-4	-	14 x 20 x 2	12	5.6
P312-STD-14252	14 x 25 x 2 STD Syn Disp Pnl M1-4	-	14 x 25 x 2	12	7.1
P312-STD-15202	15 x 20 x 2 STD Syn Disp Pnl M1-4	-	15 x 20 x 2	12	6.0
P312-STD-16162	16 x 16 x 2 STD Syn Disp Pnl M1-4	-	16 x 16 x 2	12	8.0
P312-STD-16202	16 x 20 x 2 STD Syn Disp Pnl M1-4	-	16 x 20 x 2	12	8.0
P312-STD-16242	16 x 24 x 2 STD Syn Disp Pnl M1-4	-	16 x 24 x 2	12	9.0
P312-STD-16252	16 x 25 x 2 STD Syn Disp Pnl M1-4	-	16 x 25 x 2	12	9.0
P312-STD-18242	18 x 24 x 2 STD Syn Disp Pnl M1-4	-	18 x 24 x 2	12	9.0
P312-STD-20202	20 x 20 x 2 STD Syn Disp Pnl M1-4	-	20 x 20 x 2	12	9.0
P312-STD-20242	20 x 24 x 2 STD Syn Disp Pnl M1-4	-	20 x 24 x 2	12	9.5
P312-STD-20252	20 x 25 x 2 STD Syn Disp Pnl M1-4	-	20 x 25 x 2	12	9.5
P312-STD-24242	24 x 24 x 2 STD Syn Disp Pnl M1-4	-	24 x 24 x 2	12	9.7
P312-STD-25252	25 x 25 x 2 STD Syn Disp Pnl M1-4	-	25 x 25 x 2	12	9.8

Polyester MERV 1 - 4 Disposable Air Filter

Industrial Strength, 1" & 2" Disposable Panel Filters, Synthetic Media

Category	P312 1"	P312 2"
Air Flow Velocity (FPM)	300	300
Initial Resistance (In. W.G.)	.16"	.19"
Recommended Final Resistance (In. W.G.)	.50"	1.00"
Average Arrestance (%)	82%	89%



* Testing conducted in accordance with the ASHRAE 52.1-1992 Test Standards. Classified Class 2 by Underwriters Laboratories, Inc.